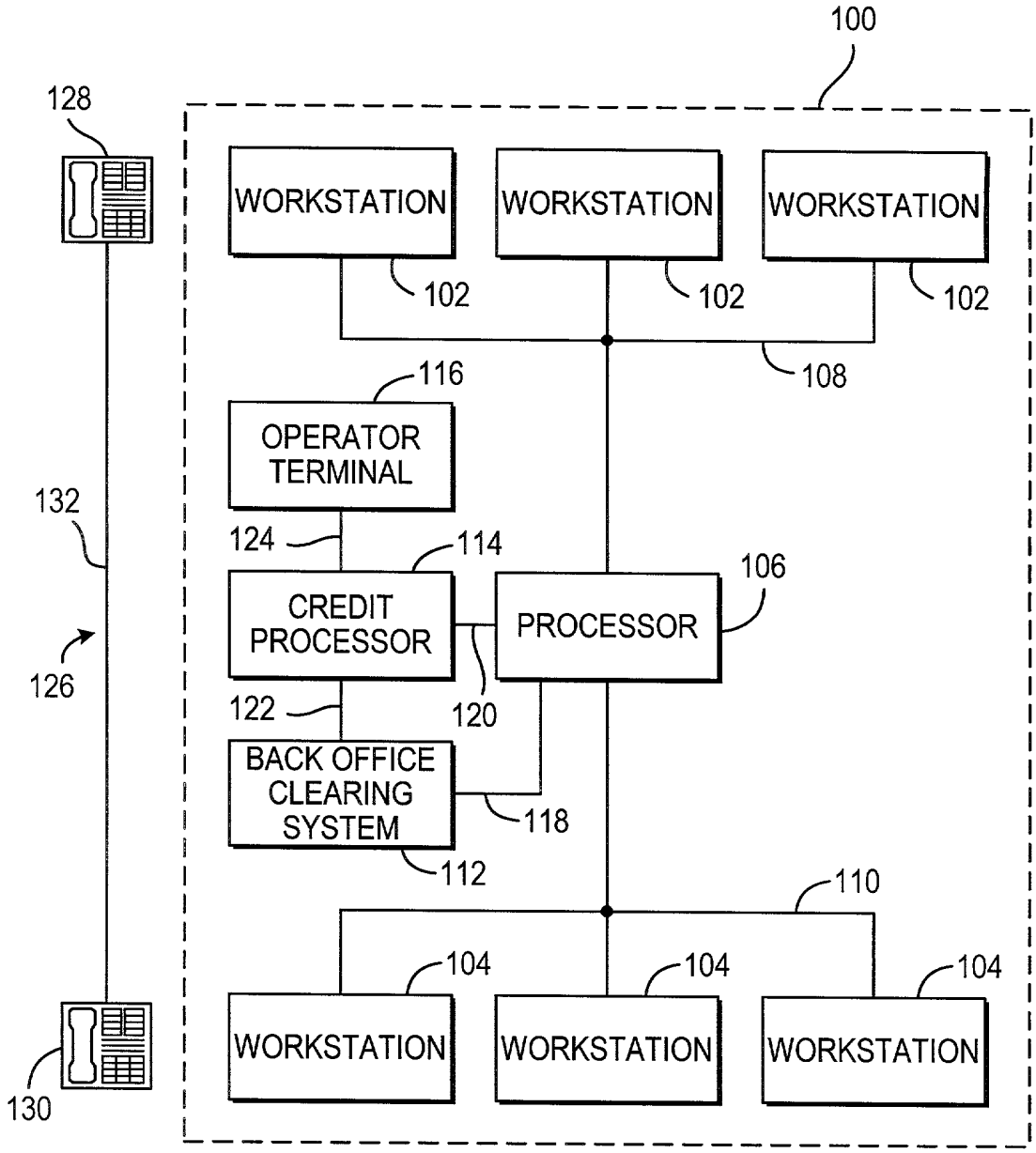
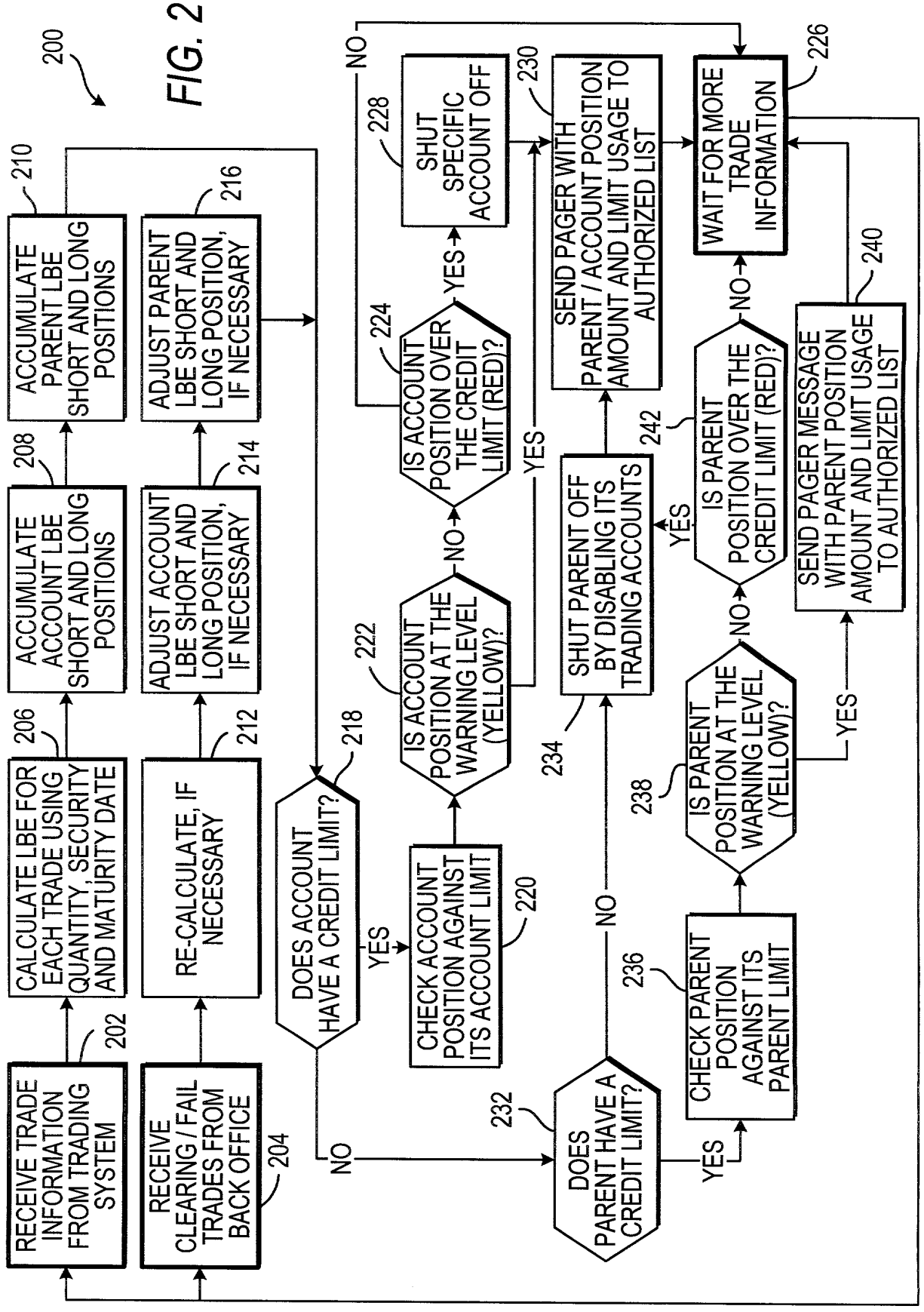

100
128
WORKSTATION
WORKSTATION
WORKSTATION
102
102
102
108
116
OPERATOR TERMINAL
132
124
114
106
CREDIT PROCESSOR
PROCESSOR
126
120
122
BACK OFFICE CLEARING SYSTEM
118
112
110
104
104
104
WORKSTATION
WORKSTATION
WORKSTATION
130

FIG. 1

FIG. 2


200
RECEIVE TRADE INFORMATION FROM TRADING SYSTEM
202
RECEIVE CLEARING / FAIL TRADES FROM BACK OFFICE
204
CALCULATE LBE FOR EACH TRADE USING QUANTITY, SECURITY AND MATURITY DATE
206
RE-CALCULATE, IF NECESSARY
212
ACCUMULATE ACCOUNT LBE SHORT AND LONG POSITIONS
208
ADJUST ACCOUNT LBE SHORT AND LONG POSITION, IF NECESSARY
214
ACCUMULATE PARENT LBE SHORT AND LONG POSITIONS
210
ADJUST PARENT LBE SHORT AND LONG POSITION, IF NECESSARY
216
DOES ACCOUNT HAVE A CREDIT LIMIT?
218
YES
NO
CHECK ACCOUNT POSITION AGAINST ITS ACCOUNT LIMIT
220
IS ACCOUNT POSITION AT THE WARNING LEVEL (YELLOW)?
222
NO
YES
IS ACCOUNT POSITION OVER THE CREDIT LIMIT (RED)?
224
NO
YES
SHUT SPECIFIC ACCOUNT OFF
228
230
DOES PARENT HAVE A CREDIT LIMIT?
232
NO
YES
CHECK PARENT POSITION AGAINST ITS PARENT LIMIT
236
IS PARENT POSITION AT THE WARNING LEVEL (YELLOW)?
238
NO
YES
SHUT PARENT OFF BY DISABLING ITS TRADING ACCOUNTS
234
IS PARENT POSITION OVER THE CREDIT LIMIT (RED)?
242
NO
YES
SEND PAGER WITH PARENT / ACCOUNT POSITION AMOUNT AND LIMIT USAGE TO AUTHORIZED LIST
SEND PAGER MESSAGE WITH PARENT POSITION AMOUNT AND LIMIT USAGE TO AUTHORIZED LIST
240
WAIT FOR MORE TRADE INFORMATION
226

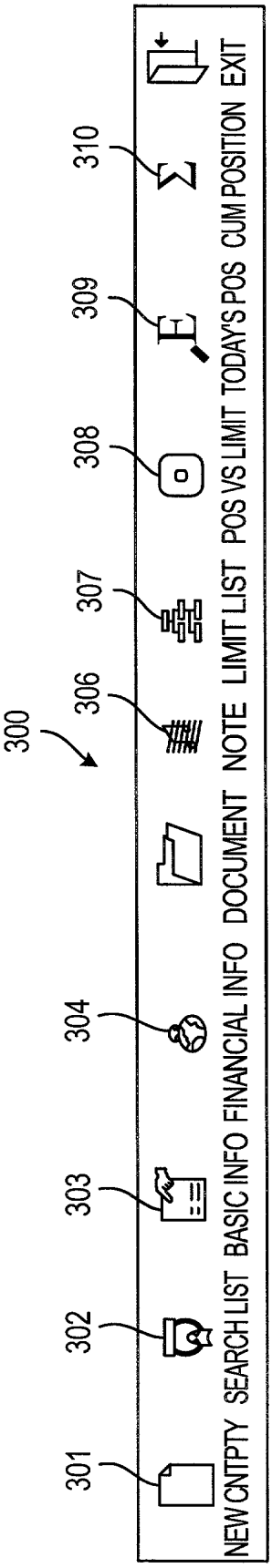

300
301
302
303
304
306
307
308
309
310
NEW CNTPTY
SEARCH LIST
BASIC INFO
FINANCIAL INFO
DOCUMENT
NOTE
LIMIT LIST
POS VS LIMIT
TODAY'S POS
CUM POSITION
EXIT

FIG. 3

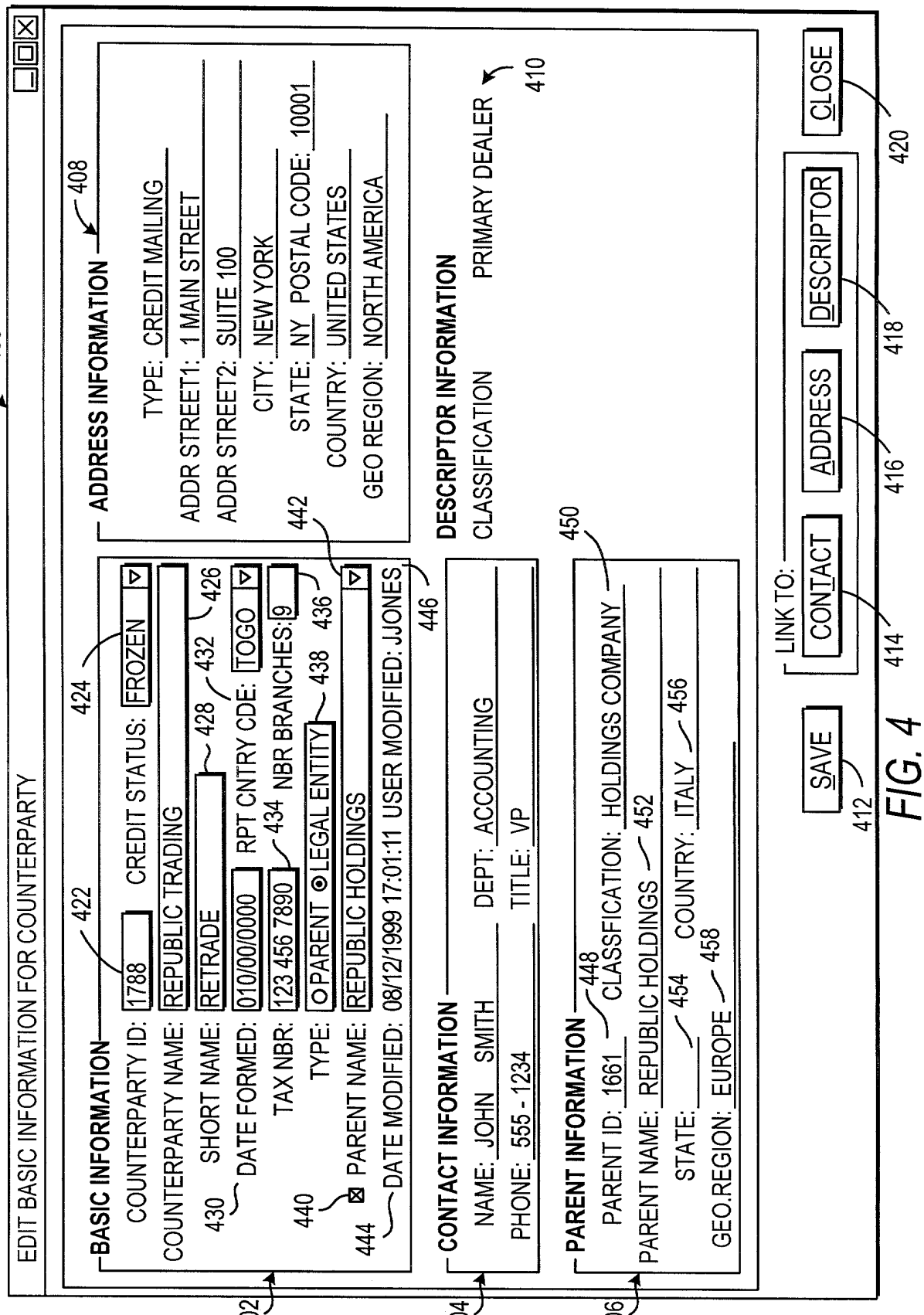

400
EDIT BASIC INFORMATION FOR COUNTERPARTY
BASIC INFORMATION
422
COUNTERPARTY ID: 1788
CREDIT STATUS: FROZEN
COUNTERPARTY NAME: REPUBLIC TRADING
SHORT NAME: RETRADE
DATE FORMED: 010/00/0000
RPT CNTRY CDE: TOGO
TAX NBR: 123 456 7890
NBR BRANCHES: 9
TYPE: PARENT LEGAL ENTITY
PARENT NAME: REPUBLIC HOLDINGS
DATE MODIFIED: 08/12/1999 17:01:11 USER MODIFIED: JJONES
424
426
428
430
432
434
436
438
440
442
444
446
ADDRESS INFORMATION
408
TYPE: CREDIT MAILING
ADDR STREET1: 1 MAIN STREET
ADDR STREET2: SUITE 100
CITY: NEW YORK
STATE: NY POSTAL CODE: 10001
COUNTRY: UNITED STATES
GEO REGION: NORTH AMERICA
DESCRIPTOR INFORMATION
CLASSIFICATION PRIMARY DEALER
410
CONTACT INFORMATION
NAME: JOHN SMITH
DEPT: ACCOUNTING
PHONE: 555 - 1234
TITLE: VP
PARENT INFORMATION
450
PARENT ID: 1661
CLASSFICATION: HOLDINGS COMPANY
PARENT NAME: REPUBLIC HOLDINGS
452
STATE:
454
COUNTRY: ITALY
456
GEO.REGION: EUROPE
458
LINK TO:
CONTACT
ADDRESS
DESCRIPTOR
414
416
418
SAVE
412
CLOSE
420
402
404
406

FIG. 4

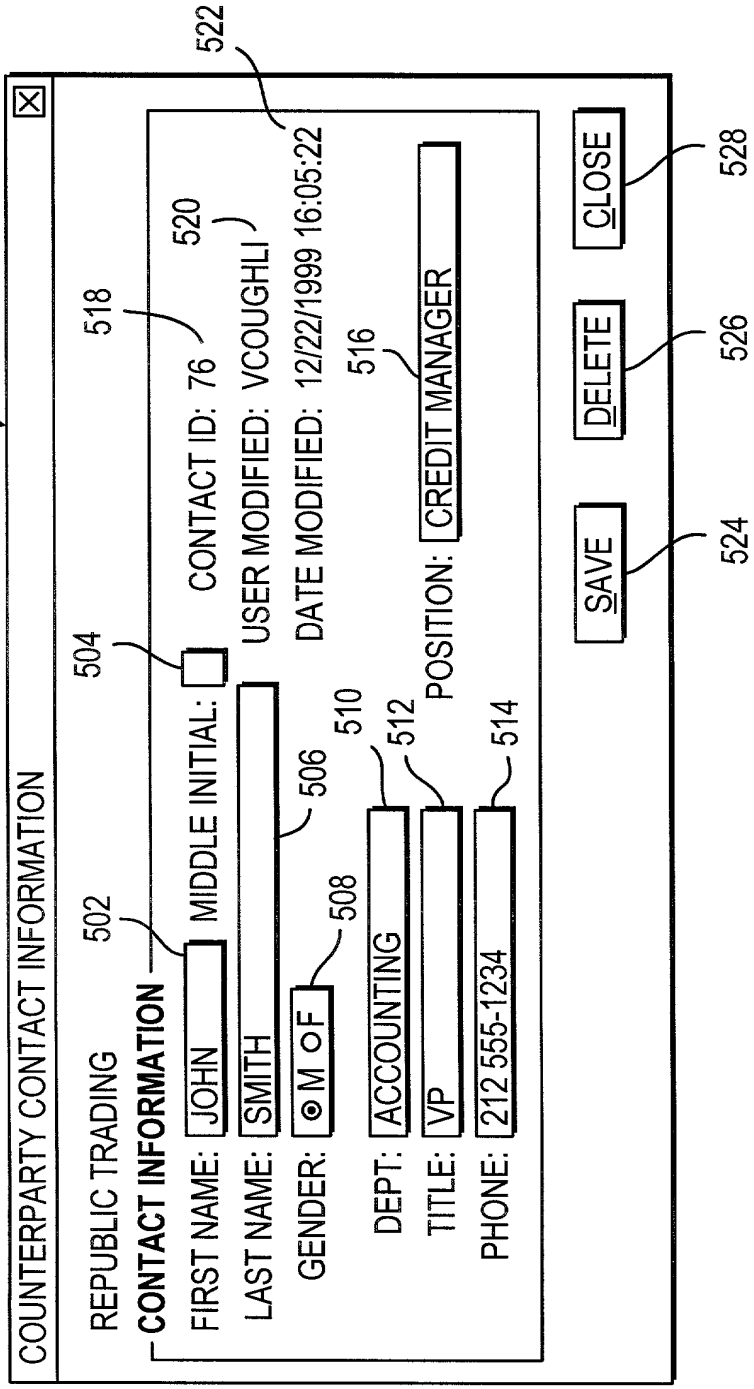

500
COUNTERPARTY CONTACT INFORMATION
REPUBLIC TRADING
CONTACT INFORMATION
502
FIRST NAME: JOHN
MIDDLE INITIAL:
504
LAST NAME: SMITH
506
GENDER: M F
508
DEPT: ACCOUNTING
510
TITLE: VP
512
PHONE: 212 555-1234
514
CONTACT ID: 76
518
USER MODIFIED: VCOUGHLI
520
DATE MODIFIED: 12/22/1999 16:05:22
522
POSITION: CREDIT MANAGER
516
SAVE
524
DELETE
526
CLOSE
528

FIG. 5

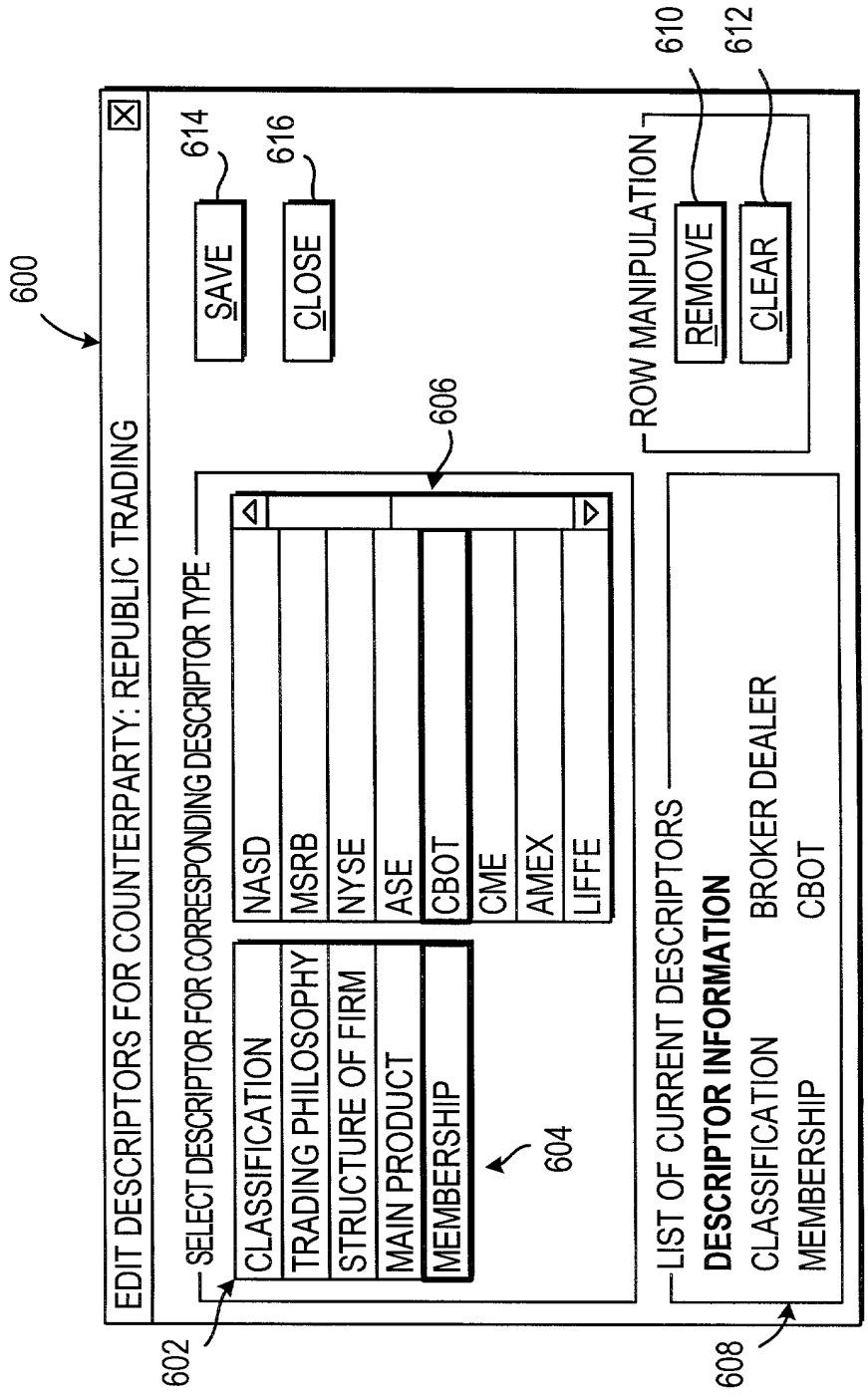

600
EDIT DESCRIPTORS FOR COUNTERPARTY: REPUBLIC TRADING
SAVE
614
CLOSE
616
610
612
ROW MANIPULATION
REMOVE
CLEAR
606
SELECT DESCRIPTOR FOR CORRESPONDING DESCRIPTOR TYPE
CLASSIFICATION
TRADING PHILOSOPHY
STRUCTURE OF FIRM
MAIN PRODUCT
MEMBERSHIP
604
NASD
MSRB
NYSE
ASE
CBOT
CME
AMEX
LIFFE
602
LIST OF CURRENT DESCRIPTORS
DESCRIPTOR INFORMATION
CLASSIFICATION BROKER DEALER
MEMBERSHIP CBOT
608

FIG. 6

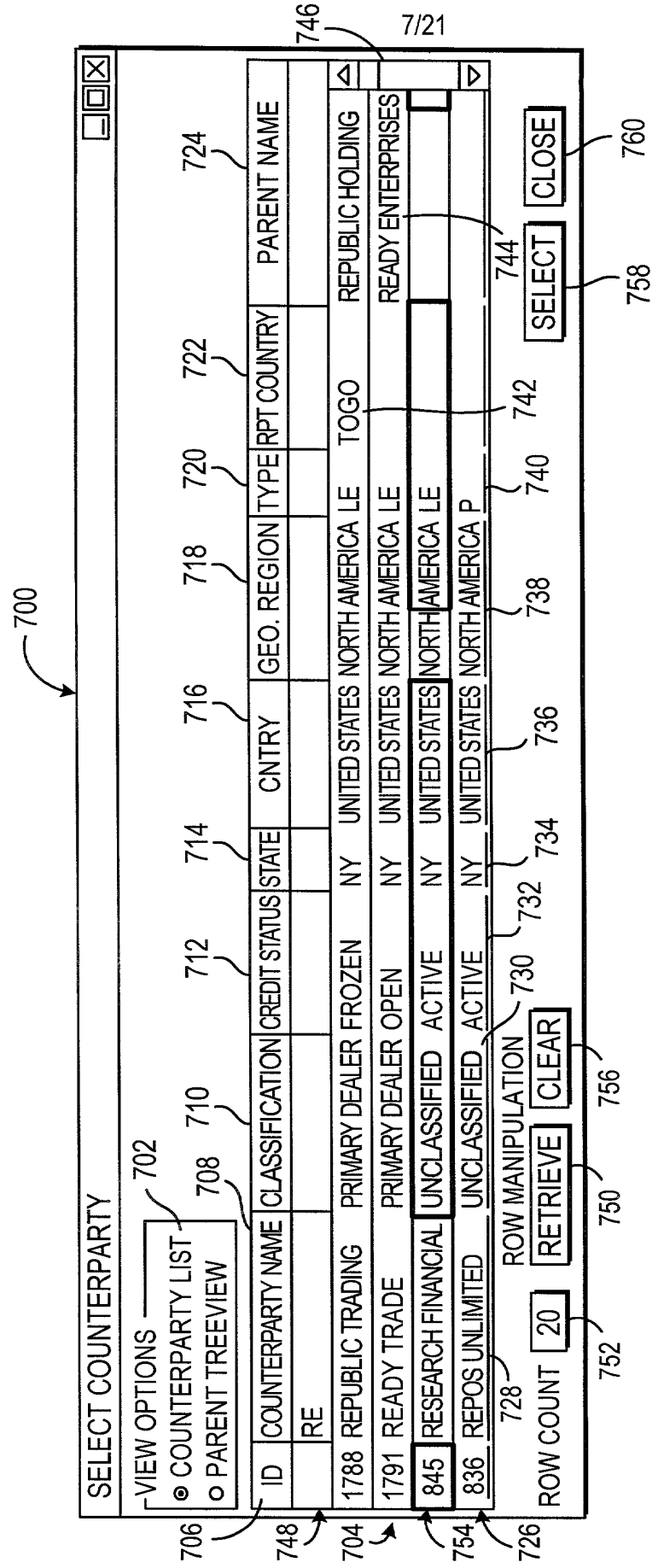

7/21
700
746
SELECT COUNTERPARTY
VIEW OPTIONS
COUNTERPARTY LIST
PARENT TREEVIEW
702
708
710
712
714
716
718
720
722
724
ID
COUNTERPARTY NAME
CLASSIFICATION
CREDIT STATUS
STATE
CNTRY
GEO. REGION
TYPE
RPT COUNTRY
PARENT NAME
RE
1788 REPUBLIC TRADING PRIMARY DEALER FROZEN NY UNITED STATES NORTH AMERICA LE TOGO REPUBLIC HOLDING
1791 READY TRADE PRIMARY DEALER OPEN NY UNITED STATES NORTH AMERICA LE READY ENTERPRISES
845 RESEARCH FINANCIAL UNCLASSIFIED ACTIVE NY UNITED STATES NORTH AMERICA LE
836 REPOS UNLIMITED UNCLASSIFIED ACTIVE NY UNITED STATES NORTH AMERICA P
ROW MANIPULATION
ROW COUNT 20
RETRIEVE
CLEAR
SELECT
CLOSE
706
748
704
754
726
728
730
732
734
736
738
740
742
744
750
752
756
758
760

FIG. 7

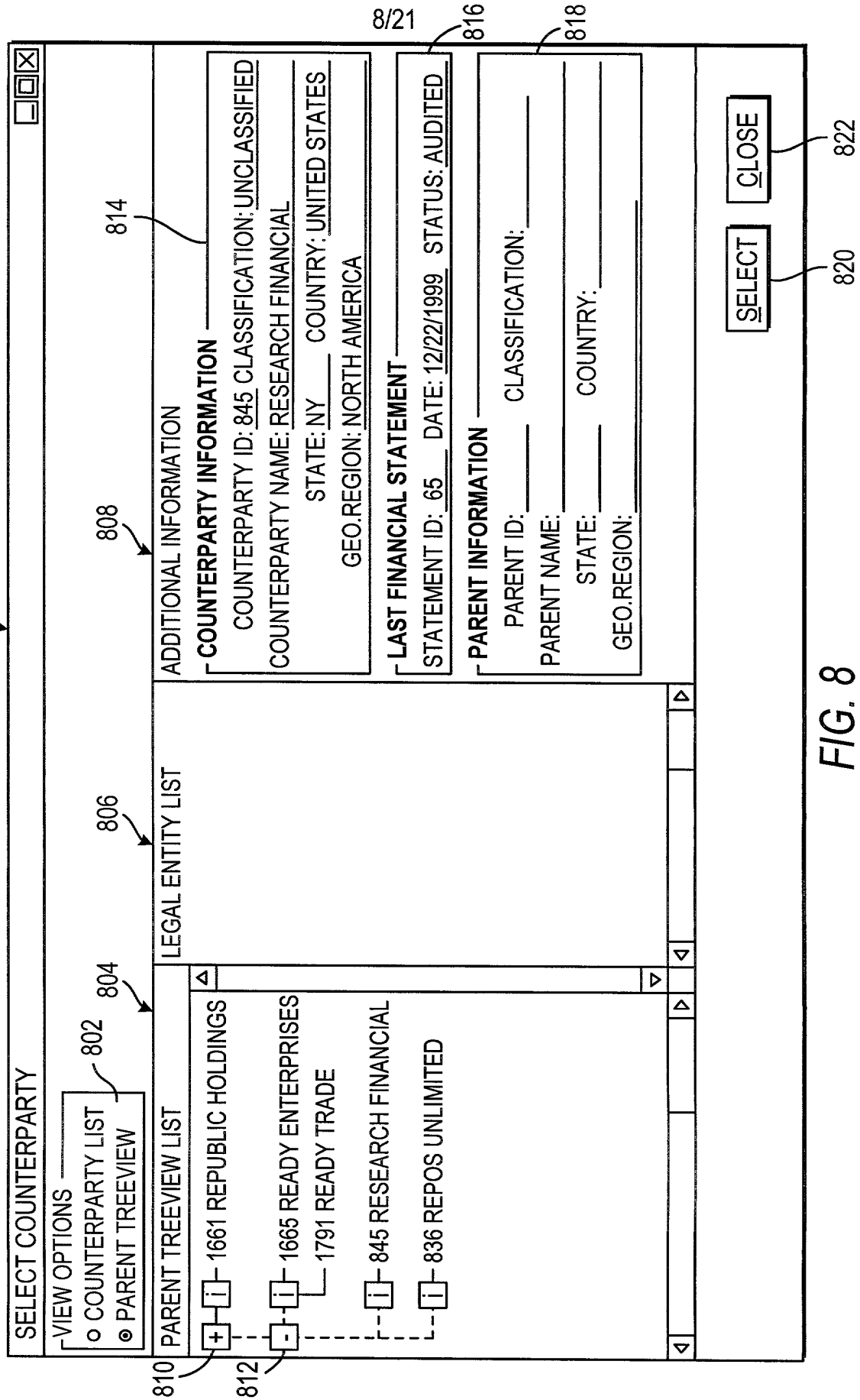

8/21
800
SELECT COUNTERPARTY
VIEW OPTIONS
COUNTERPARTY LIST
PARENT TREEVIEW
802
804
PARENT TREEVIEW LIST
LEGAL ENTITY LIST
806
808
1661 REPUBLIC HOLDINGS
1665 READY ENTERPRISES
1791 READY TRADE
845 RESEARCH FINANCIAL
836 REPOS UNLIMITED
810
812
ADDITIONAL INFORMATION
814
COUNTERPARTY INFORMATION
COUNTERPARTY ID: 845 CLASSIFICATION: UNCLASSIFIED
COUNTERPARTY NAME: RESEARCH FINANCIAL
STATE: NY COUNTRY: UNITED STATES
GEO.REGION: NORTH AMERICA
LAST FINANCIAL STATEMENT
816
STATEMENT ID: 65 DATE: 12/22/1999 STATUS: AUDITED
PARENT INFORMATION
818
PARENT ID: CLASSIFICATION:
PARENT NAME:
STATE: COUNTRY:
GEO.REGION:
SELECT
820
CLOSE
822

FIG. 8

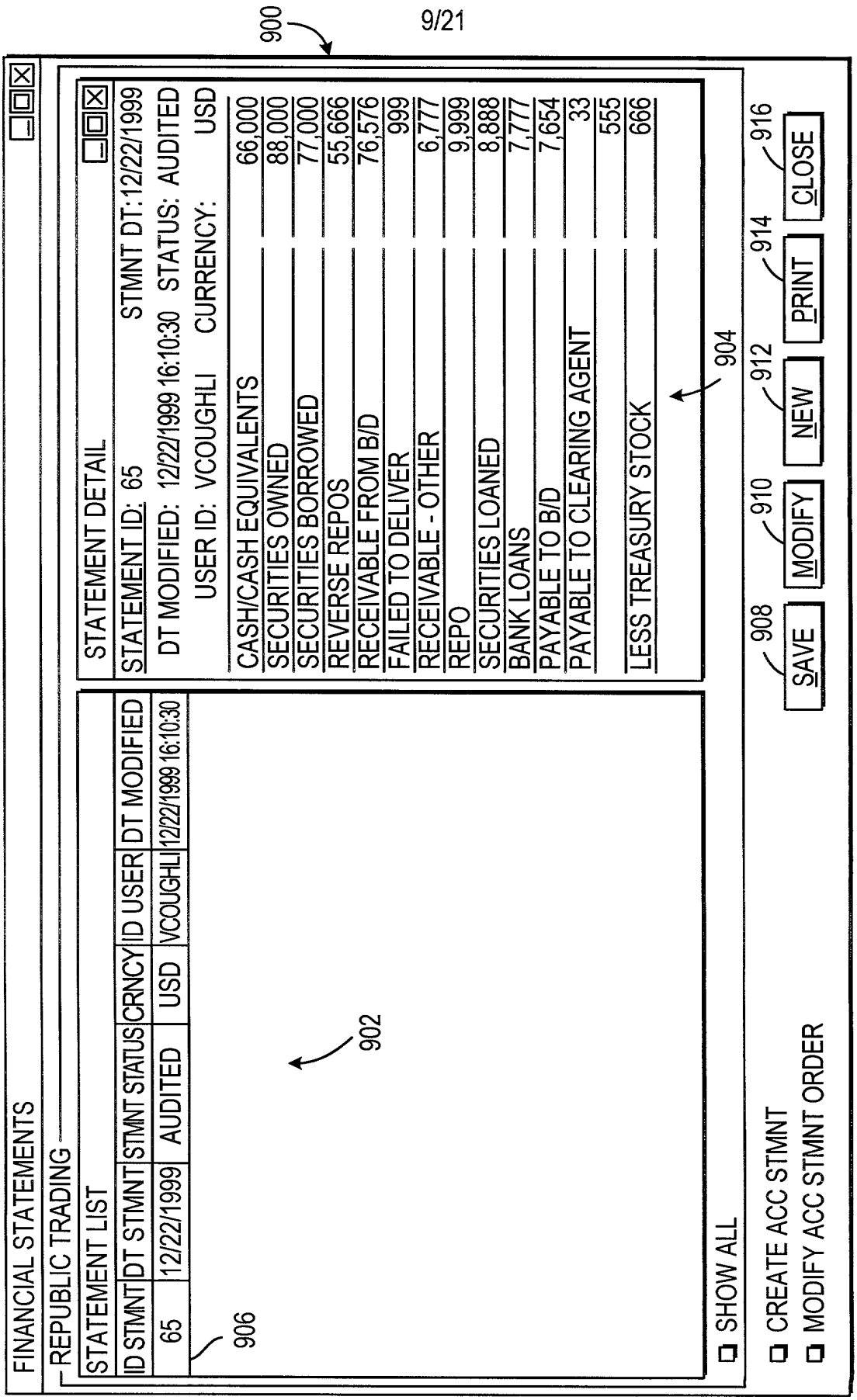

900
FINANCIAL STATEMENTS
REPUBLIC TRADING
STATEMENT LIST
ID STMNT | DT STMNT | STMNT STATUS | CRNCY | ID USER | DT MODIFIED
65 | 12/22/1999 | AUDITED | USD | VCOUGHLI | 12/22/1999 16:10:30
906
902
SHOW ALL
CREATE ACC STMNT
MODIFY ACC STMNT ORDER
STATEMENT DETAIL
STATEMENT ID: 65 STMNT DT: 12/22/1999
DT MODIFIED: 12/22/1999 16:10:30 STATUS: AUDITED
USER ID: VCOUGHLI CURRENCY: USD
CASH/CASH EQUIVALENTS 66,000
SECURITIES OWNED 88,000
SECURITIES BORROWED 77,000
REVERSE REPOS 55,666
RECEIVABLE FROM B/D 76,576
FAILED TO DELIVER 999
RECEIVABLE - OTHER 6,777
REPO 9,999
SECURITIES LOANED 8,888
BANK LOANS 7,777
PAYABLE TO B/D 7,654
PAYABLE TO CLEARING AGENT 33
555
LESS TREASURY STOCK 666
904
908 SAVE
910 MODIFY
912 NEW
914 PRINT
916 CLOSE

FIG. 9

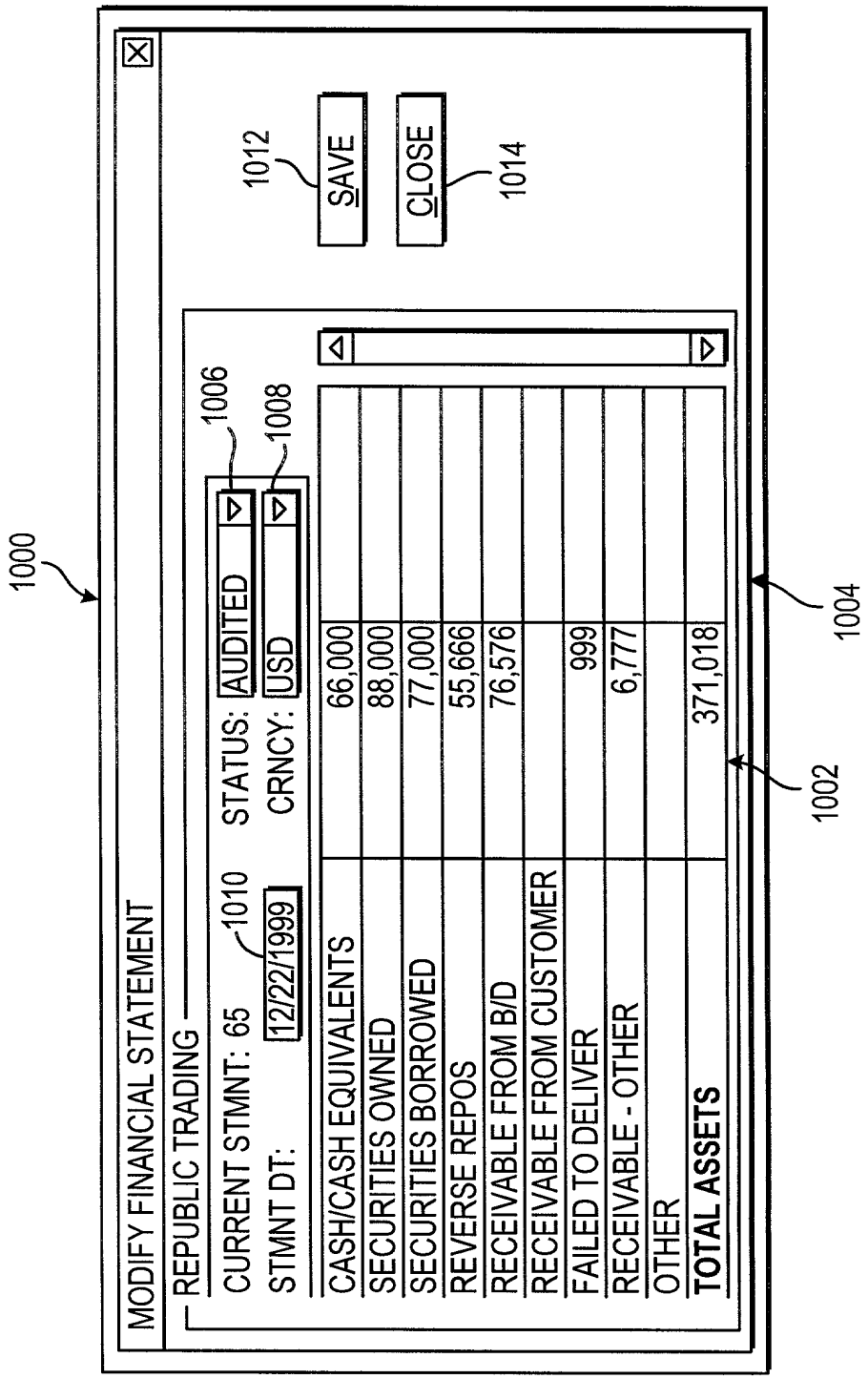
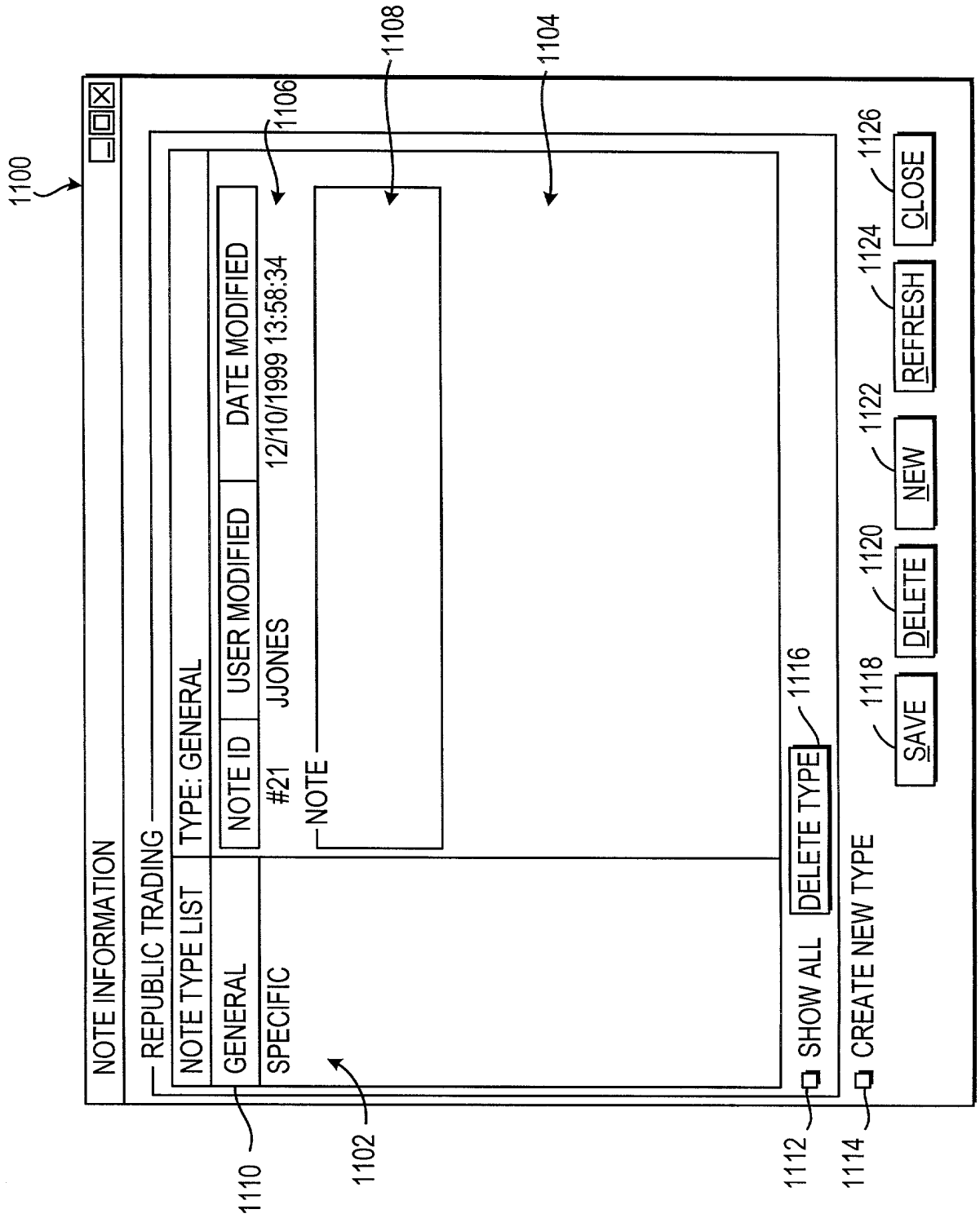

1000
MODIFY FINANCIAL STATEMENT
REPUBLIC TRADING
CURRENT STMNT: 65
1010
STMNT DT: 12/22/1999
STATUS: AUDITED
1006
CRNCY: USD
1008
1012
SAVE
CLOSE
1014
CASH/CASH EQUIVALENTS 66,000
SECURITIES OWNED 88,000
SECURITIES BORROWED 77,000
REVERSE REPOS 55,666
RECEIVABLE FROM B/D 76,576
RECEIVABLE FROM CUSTOMER
FAILED TO DELIVER 999
RECEIVABLE - OTHER 6,777
OTHER
TOTAL ASSETS 371,018
1004
1002

FIG. 10

FIG. 11


1100
NOTE INFORMATION
REPUBLIC TRADING
NOTE TYPE LIST
GENERAL
SPECIFIC
TYPE: GENERAL
NOTE ID
USER MODIFIED
DATE MODIFIED
#21
JJONES
12/10/1999 13:58:34
NOTE
1106
1108
1104
1110
1102
1116
DELETE TYPE
SHOW ALL
CREATE NEW TYPE
1112
1114
1118
SAVE
1120
DELETE
1122
NEW
1124
REFRESH
1126
CLOSE

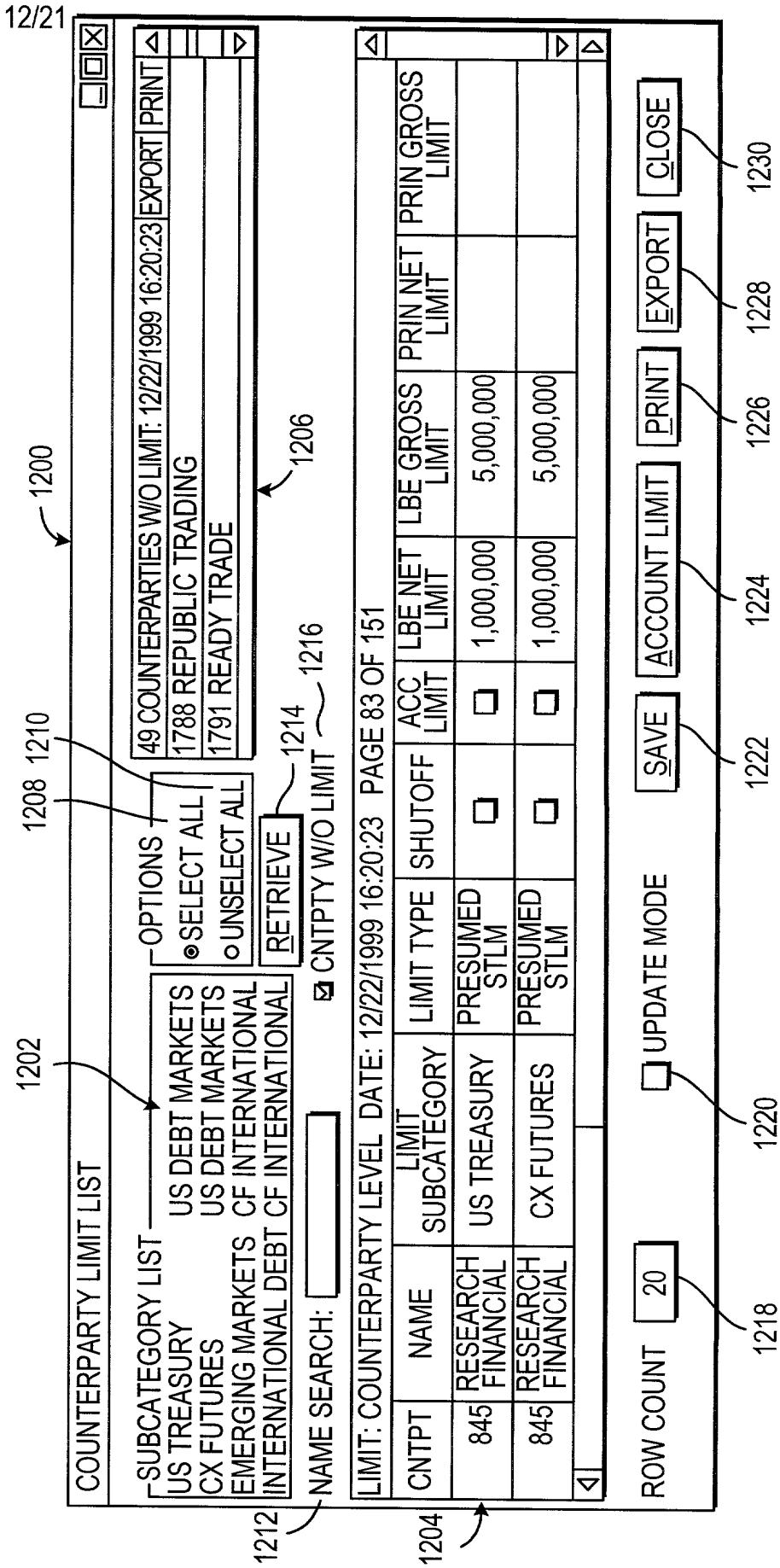

12/21
1200
COUNTERPARTY LIMIT LIST
SUBCATEGORY LIST
US TREASURY
CX FUTURES
EMERGING MARKETS
INTERNATIONAL DEBT
US DEBT MARKETS
US DEBT MARKETS
CF INTERNATIONAL
CF INTERNATIONAL
1202
OPTIONS
SELECT ALL
UNSELECT ALL
1208
1210
RETRIEVE
1214
CNTPTY W/O LIMIT
1216
49 COUNTERPARTIES W/O LIMIT: 12/22/1999 16:20:23
1788 REPUBLIC TRADING
1791 READY TRADE
1206
EXPORT
PRINT
NAME SEARCH:
1212
LIMIT: COUNTERPARTY LEVEL DATE: 12/22/1999 16:20:23 PAGE 83 OF 151
CNTPT
NAME
LIMIT SUBCATEGORY
LIMIT TYPE
SHUTOFF
ACC LIMIT
LBE NET LIMIT
LBE GROSS LIMIT
PRIN NET LIMIT
PRIN GROSS LIMIT
845 RESEARCH FINANCIAL US TREASURY PRESUMED STLM 1,000,000 5,000,000
845 RESEARCH FINANCIAL CX FUTURES PRESUMED STLM 1,000,000 5,000,000
1204
ROW COUNT 20
1218
UPDATE MODE
1220
SAVE
1222
ACCOUNT LIMIT
1224
PRINT
1226
EXPORT
1228
CLOSE
1230

FIG. 12

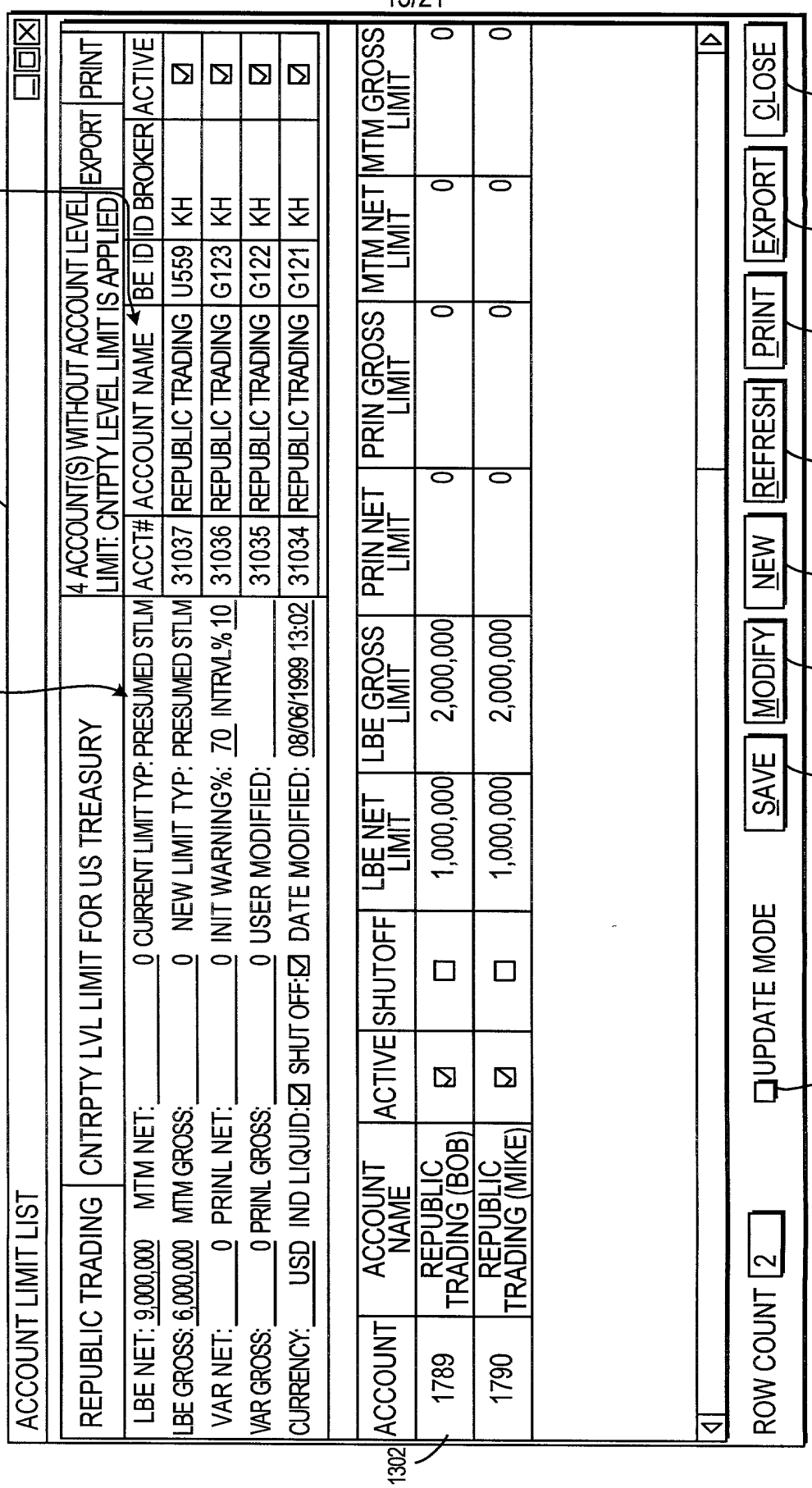
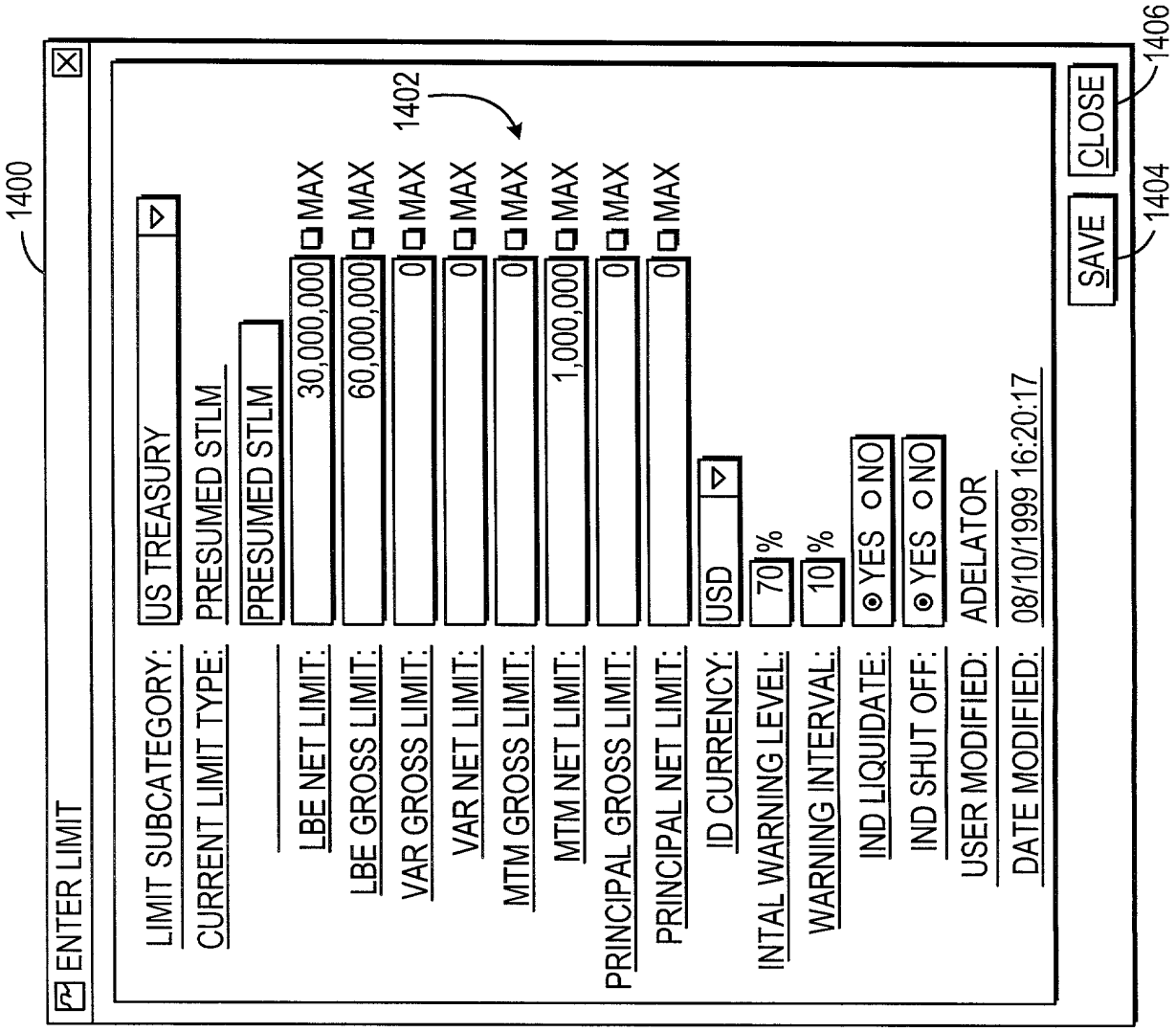

ACCOUNT LIMIT LIST
REPUBLIC TRADING
CNTRPTY LVL LIMIT FOR US TREASURY
4 ACCOUNT(S) WITHOUT ACCOUNT LEVEL LIMIT: CNTPTY LEVEL LIMIT IS APPLIED
EXPORT
PRINT
LBE NET: 9,000,000
MTM NET: 0
CURRENT LIMIT TYP: PRESUMED STLM
LBE GROSS: 6,000,000
MTM GROSS: 0
NEW LIMIT TYP: PRESUMED STLM
VAR NET: 0
PRINL NET: 0
INIT WARNING%: 70
INTRVL% 10
VAR GROSS: 0
PRINL GROSS: 0
USER MODIFIED:
CURRENCY: USD
IND LIQUID: ☑
SHUT OFF: ☑
DATE MODIFIED: 08/06/1999 13:02
ACCT# | ACCOUNT NAME | BE ID | ID BROKER | ACTIVE
31037 | REPUBLIC TRADING | U559 | KH | ☑
31036 | REPUBLIC TRADING | G123 | KH | ☑
31035 | REPUBLIC TRADING | G122 | KH | ☑
31034 | REPUBLIC TRADING | G121 | KH | ☑
ACCOUNT | ACCOUNT NAME | ACTIVE | SHUTOFF | LBE NET LIMIT | LBE GROSS LIMIT | PRIN NET LIMIT | PRIN GROSS LIMIT | MTM NET LIMIT | MTM GROSS LIMIT
1789 | REPUBLIC TRADING (BOB) | ☑ | ☐ | 1,000,000 | 2,000,000 | 0 | 0 | 0 | 0
1790 | REPUBLIC TRADING (MIKE) | ☑ | ☐ | 1,000,000 | 2,000,000 | 0 | 0 | 0 | 0
ROW COUNT 2
UPDATE MODE
SAVE
MODIFY
NEW
REFRESH
PRINT
EXPORT
CLOSE
1300
1302
1304
1306
1308
1310
1311
1312
1314
1316
1318
1320

FIG. 13

FIG. 14


1400
ENTER LIMIT
LIMIT SUBCATEGORY: US TREASURY
CURRENT LIMIT TYPE: PRESUMED STLM
PRESUMED STLM
1402
LBE NET LIMIT: 30,000,000 MAX
LBE GROSS LIMIT: 60,000,000 MAX
VAR GROSS LIMIT: 0 MAX
VAR NET LIMIT: 0 MAX
MTM GROSS LIMIT: 0 MAX
MTM NET LIMIT: 1,000,000 MAX
PRINCIPAL GROSS LIMIT: 0 MAX
PRINCIPAL NET LIMIT: 0 MAX
ID CURRENCY: USD
INTAL WARNING LEVEL: 70 %
WARNING INTERVAL: 10 %
IND LIQUIDATE: YES NO
IND SHUT OFF: YES NO
USER MODIFIED: ADELATOR
DATE MODIFIED: 08/10/1999 16:20:17
SAVE
1404
CLOSE
1406

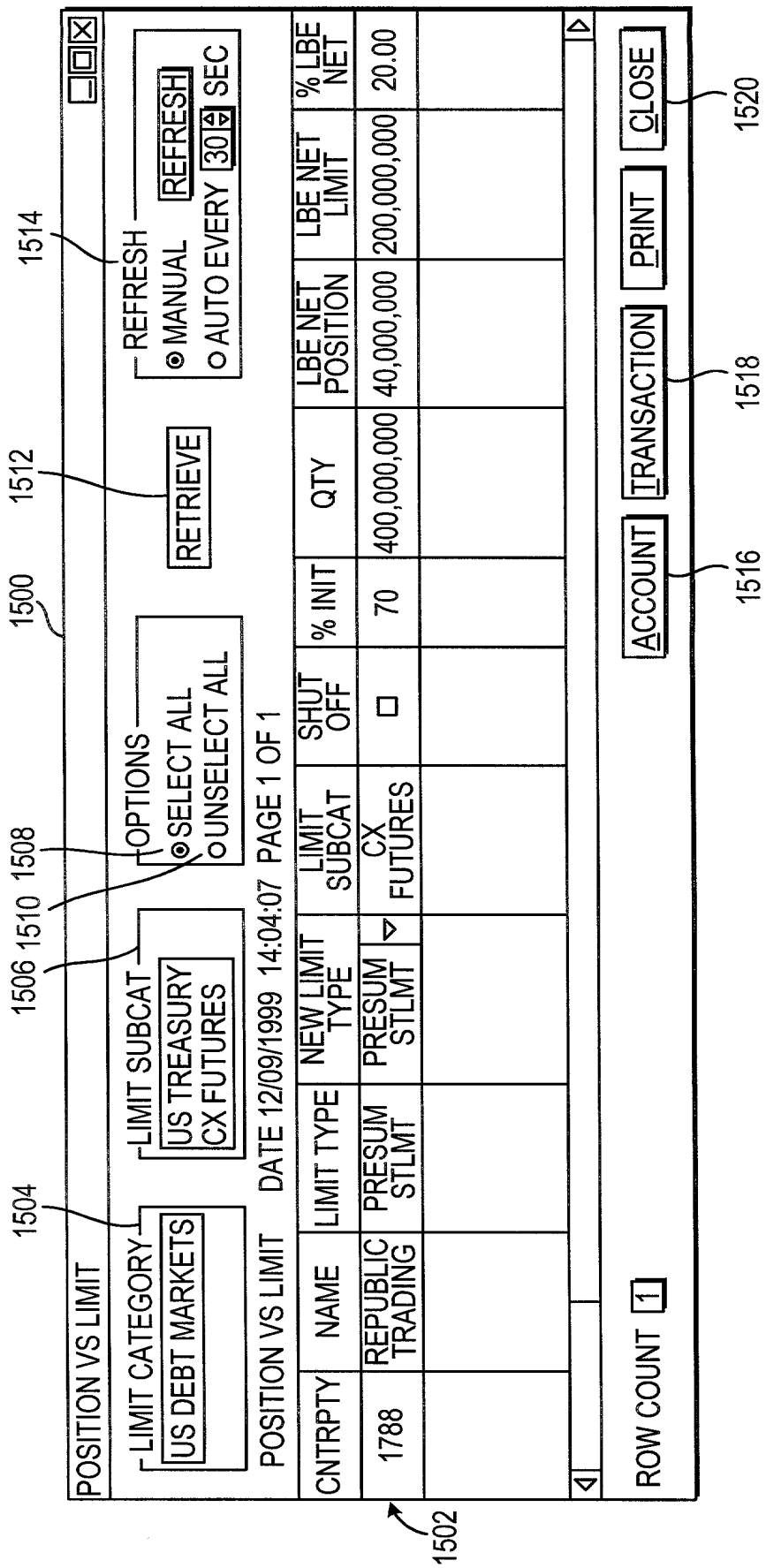

POSITION VS LIMIT
LIMIT CATEGORY
US DEBT MARKETS
LIMIT SUBCAT
US TREASURY
CX FUTURES
OPTIONS
SELECT ALL
UNSELECT ALL
RETRIEVE
REFRESH
MANUAL
AUTO EVERY 30 SEC
REFRESH
POSITION VS LIMIT DATE 12/09/1999 14:04:07 PAGE 1 OF 1
CNTRPTY
NAME
LIMIT TYPE
NEW LIMIT TYPE
LIMIT SUBCAT
SHUT OFF
% INIT
QTY
LBE NET POSITION
LBE NET LIMIT
% LBE NET
1788
REPUBLIC TRADING
PRESUM STLMT
PRESUM STLMT
CX FUTURES
70
400,000,000
40,000,000
200,000,000
20.00
ROW COUNT 1
ACCOUNT
TRANSACTION
PRINT
CLOSE
1502
1504
1506
1508
1510
1512
1514
1516
1518
1520
1500

FIG. 15

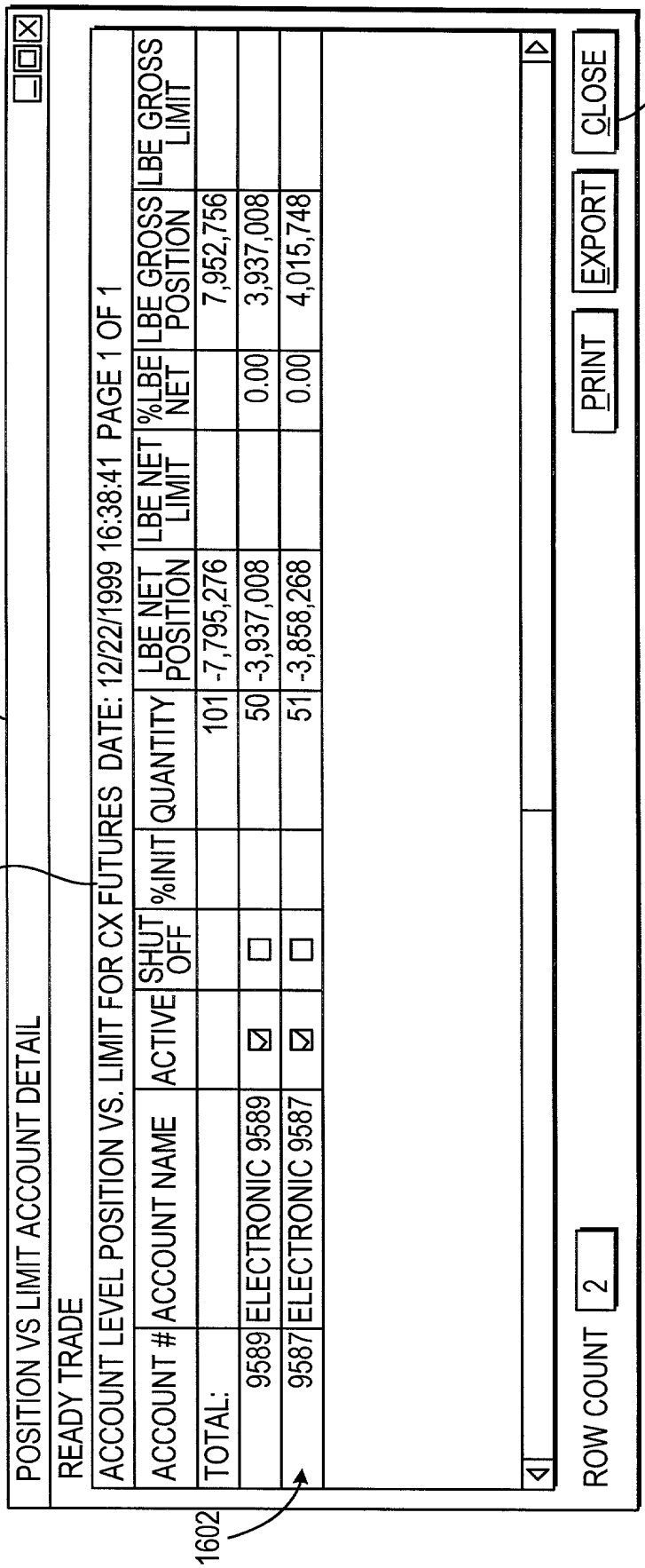

POSITION VS LIMIT ACCOUNT DETAIL
READY TRADE
ACCOUNT LEVEL POSITION VS. LIMIT FOR CX FUTURES DATE: 12/22/1999 16:38:41 PAGE 1 OF 1
ACCOUNT #
ACCOUNT NAME
ACTIVE
SHUT OFF
%INIT
QUANTITY
LBE NET POSITION
LBE NET LIMIT
%LBE NET
LBE GROSS POSITION
LBE GROSS LIMIT
TOTAL:
7,952,756
9589 ELECTRONIC 9589 101 -7,795,276 0.00 3,937,008
9587 ELECTRONIC 9587 50 -3,937,008 0.00 3,937,008
51 -3,858,268 0.00 4,015,748
ROW COUNT 2
PRINT
EXPORT
CLOSE
1600
1601
1602
1604

FIG. 16

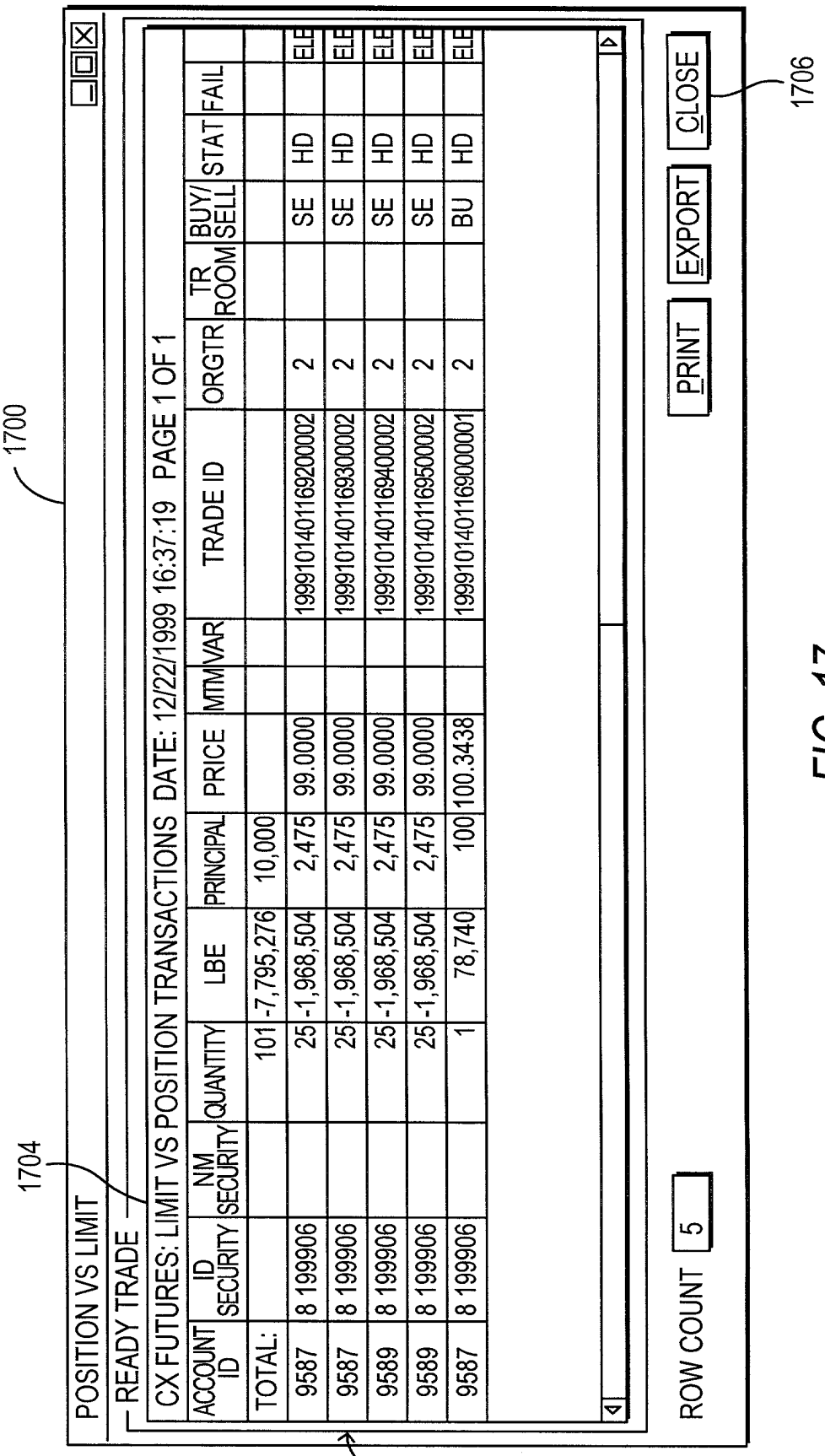

1700
1702
1704
1706
POSITION VS LIMIT
READY TRADE
CX FUTURES: LIMIT VS POSITION TRANSACTIONS DATE: 12/22/1999 16:37:19 PAGE 1 OF 1
ACCOUNT ID
ID SECURITY
NM SECURITY
QUANTITY
LBE
PRINCIPAL
PRICE
MTM VAR
TRADE ID
ORGTR
TR ROOM
BUY/ SELL
STAT
FAIL
TOTAL: 101 -7,795,276 10,000
9587 8 199906 25 -1,968,504 2,475 99.0000 19991014011692000002 2 SE HD ELE
9587 8 199906 25 -1,968,504 2,475 99.0000 19991014011693000002 2 SE HD ELE
9589 8 199906 25 -1,968,504 2,475 99.0000 19991014011694000002 2 SE HD ELE
9589 8 199906 25 -1,968,504 2,475 99.0000 19991014011695000002 2 SE HD ELE
9587 8 199906 1 78,740 100 100.3438 19991014011690000001 2 BU HD ELE
ROW COUNT 5
PRINT
EXPORT
CLOSE

FIG. 17

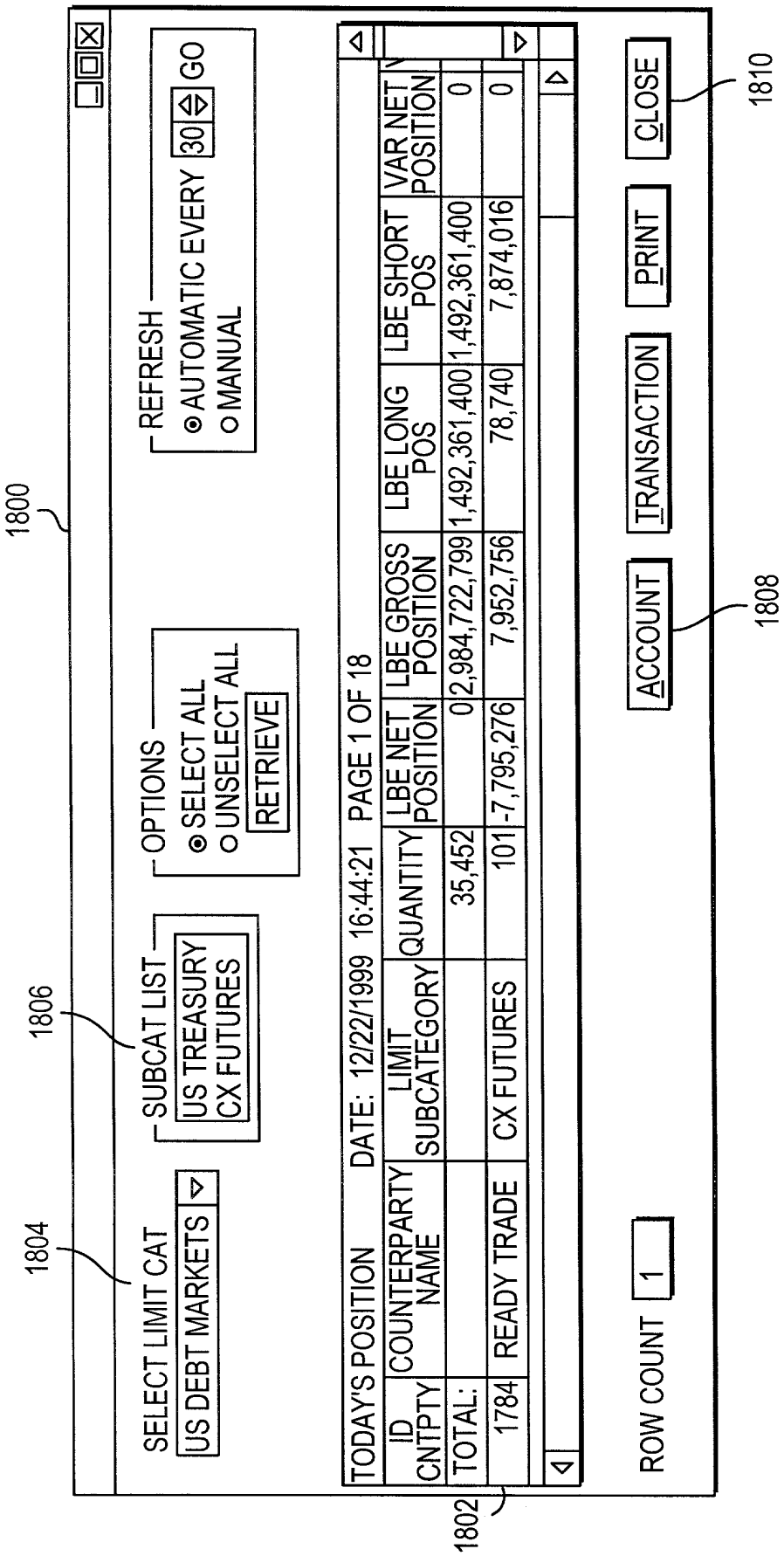

1800
1802
1804
1806
1808
1810
SELECT LIMIT CAT
US DEBT MARKETS
SUBCAT LIST
US TREASURY
CX FUTURES
OPTIONS
SELECT ALL
UNSELECT ALL
RETRIEVE
REFRESH
AUTOMATIC EVERY 30 GO
MANUAL
TODAY'S POSITION DATE: 12/22/1999 16:44:21 PAGE 1 OF 18
ID CNTPTY
COUNTERPARTY NAME
LIMIT SUBCATEGORY
QUANTITY
LBE NET POSITION
LBE GROSS POSITION
LBE LONG POS
LBE SHORT POS
VAR NET POSITION
TOTAL: 35,452 0 2,984,722,799 1,492,361,400 1,492,361,400 0
1784 READY TRADE CX FUTURES 101 -7,795,276 7,952,756 78,740 7,874,016 0
ROW COUNT 1
ACCOUNT
TRANSACTION
PRINT
CLOSE

FIG. 18

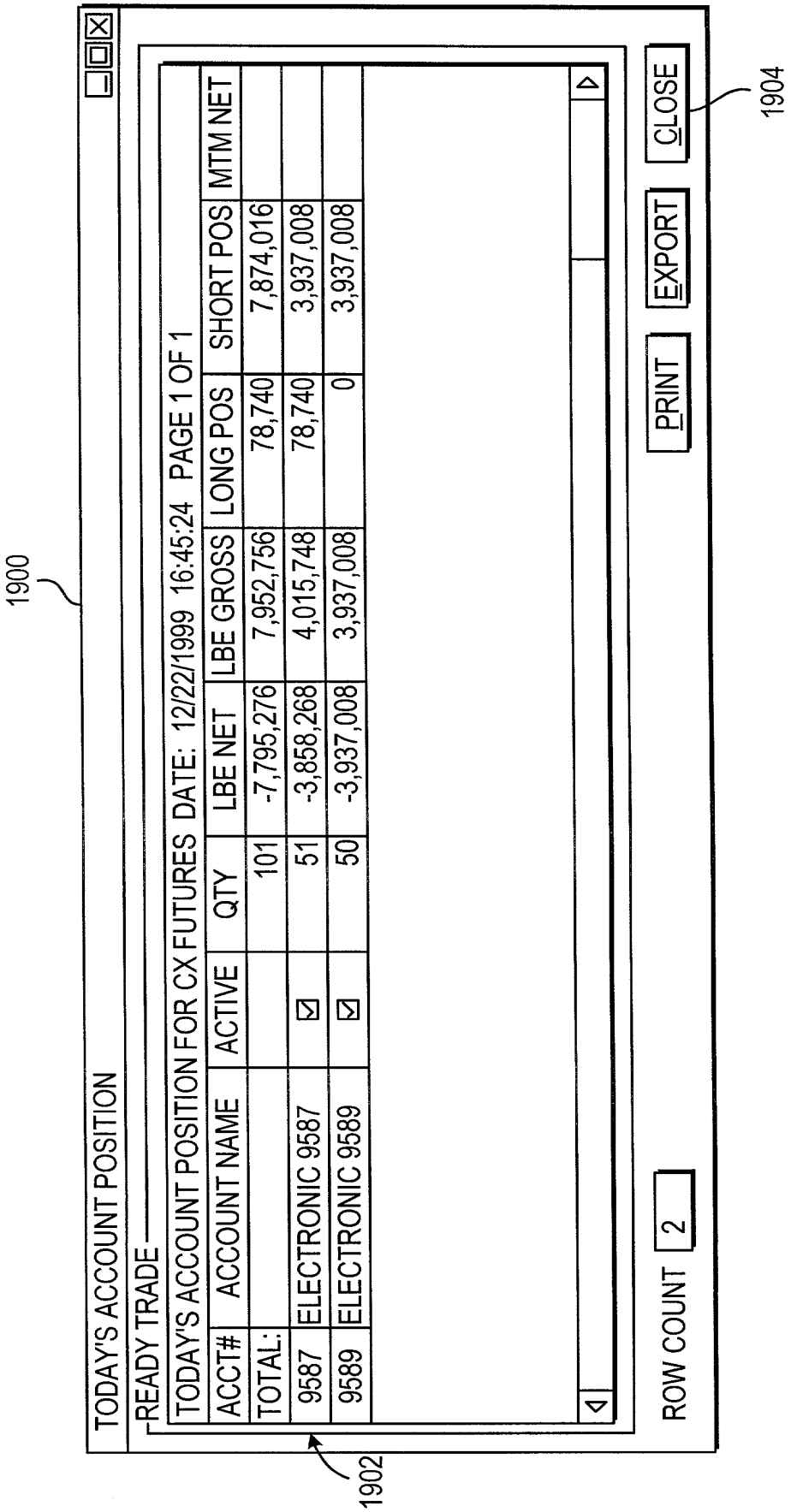

1900
TODAY'S ACCOUNT POSITION
READY TRADE
TODAY'S ACCOUNT POSITION FOR CX FUTURES DATE: 12/22/1999 16:45:24 PAGE 1 OF 1
ACCT# | ACCOUNT NAME | ACTIVE | QTY | LBE NET | LBE GROSS | LONG POS | SHORT POS | MTM NET
TOTAL: | | | 101 | -7,795,276 | 7,952,756 | 78,740 | 7,874,016 |
9587 | ELECTRONIC 9587 | ☑ | 51 | -3,858,268 | 4,015,748 | 78,740 | 3,937,008 |
9589 | ELECTRONIC 9589 | ☑ | 50 | -3,937,008 | 3,937,008 | 0 | 3,937,008 |
ROW COUNT 2
PRINT
EXPORT
CLOSE
1902
1904

FIG. 19

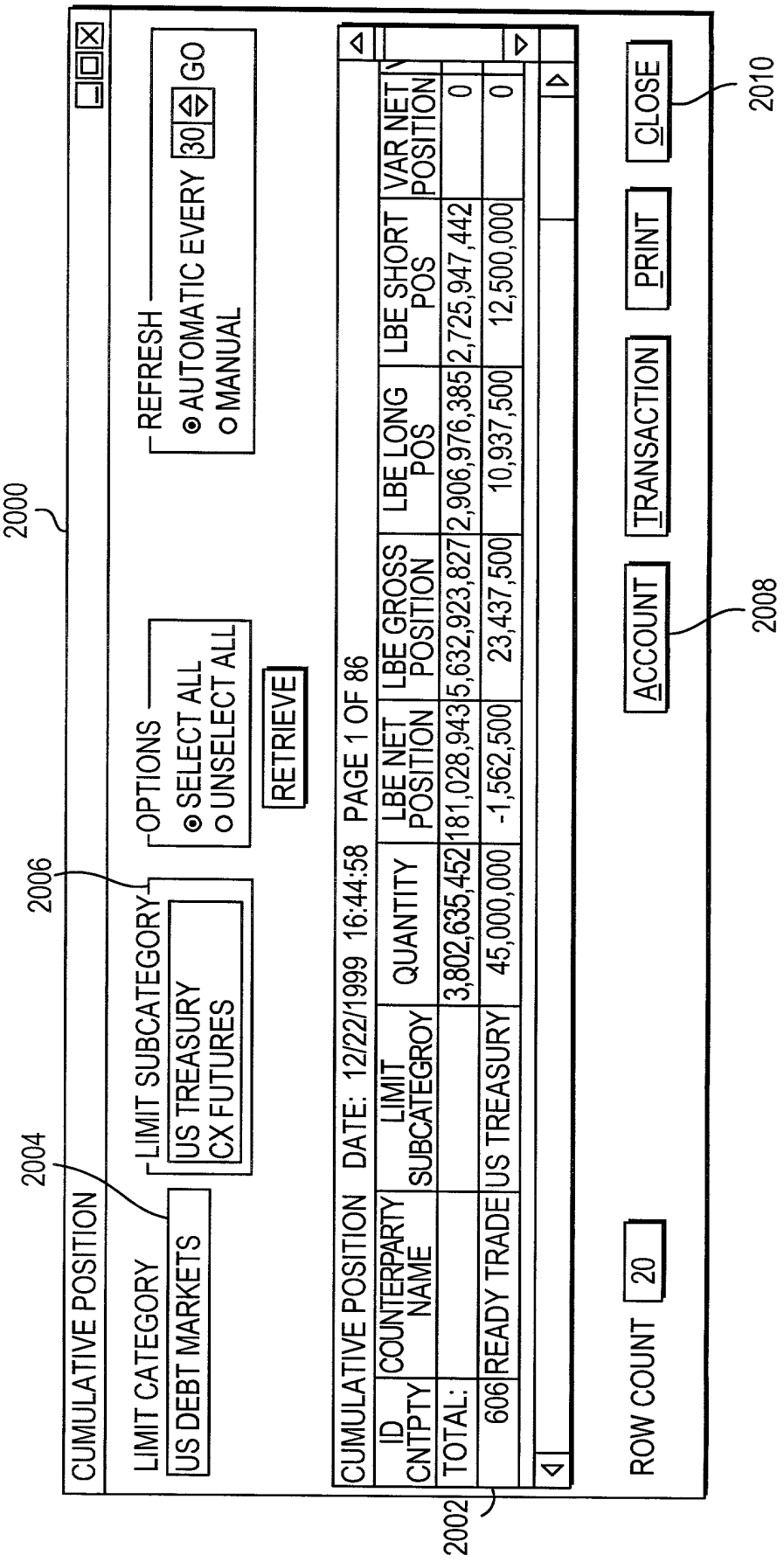

2000
2002
2004
2006
2008
2010
CUMULATIVE POSITION
LIMIT CATEGORY
US DEBT MARKETS
LIMIT SUBCATEGORY
US TREASURY
CX FUTURES
OPTIONS
SELECT ALL
UNSELECT ALL
RETRIEVE
REFRESH
AUTOMATIC EVERY 30 GO
MANUAL
CUMULATIVE POSITION DATE: 12/22/1999 16:44:58 PAGE 1 OF 86
ID CNTPTY
COUNTERPARTY NAME
LIMIT SUBCATEGROY
QUANTITY
LBE NET POSITION
LBE GROSS POSITION
LBE LONG POS
LBE SHORT POS
VAR NET POSITION
TOTAL:
3,802,635,452
181,028,943
5,632,923,827
2,906,976,385
2,725,947,442
0
606
READY TRADE
US TREASURY
45,000,000
-1,562,500
23,437,500
10,937,500
12,500,000
0
ROW COUNT 20
ACCOUNT
TRANSACTION
PRINT
CLOSE

FIG. 20

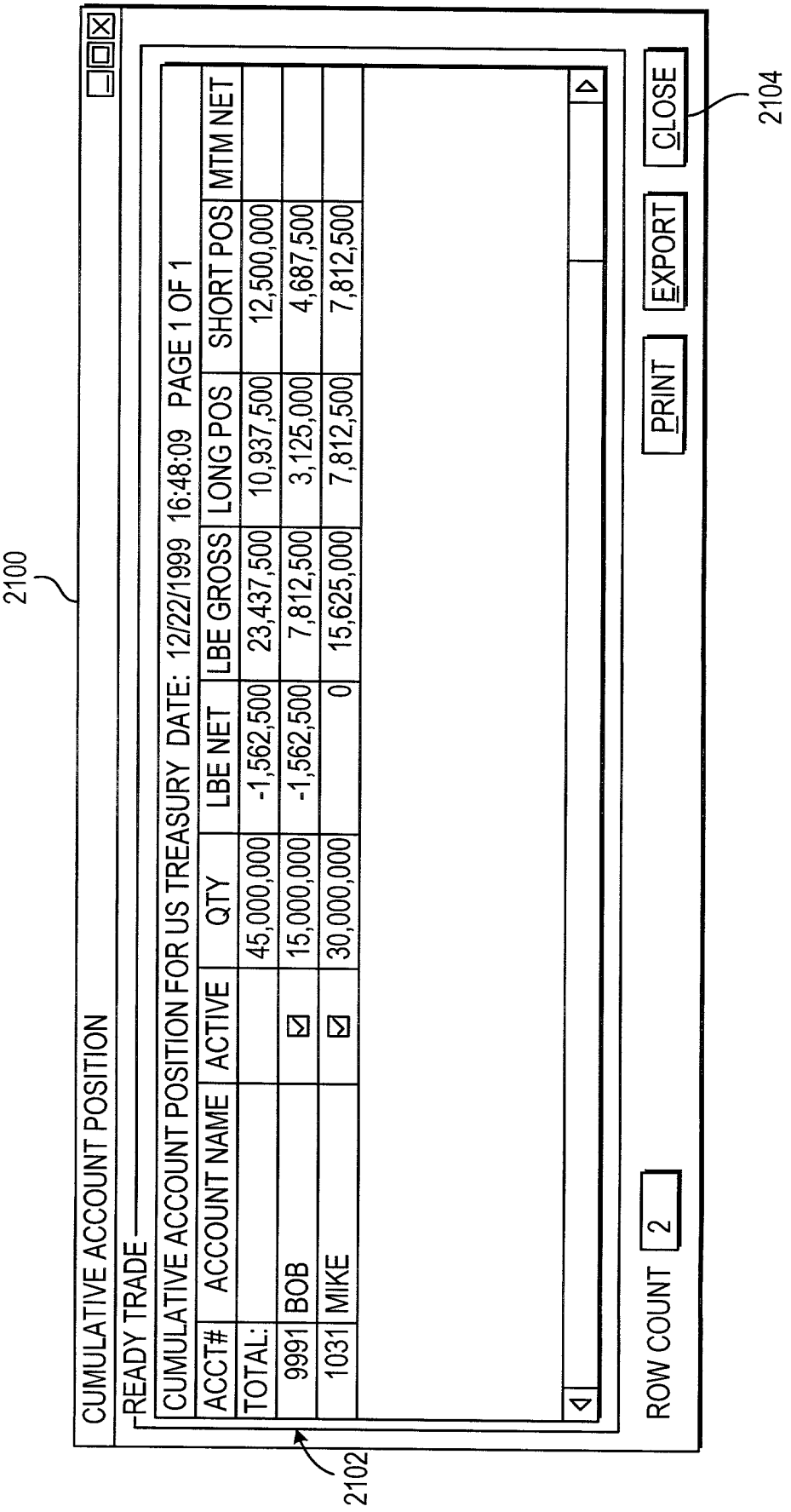

CUMULATIVE ACCOUNT POSITION
READY TRADE
CUMULATIVE ACCOUNT POSITION FOR US TREASURY DATE: 12/22/1999 16:48:09 PAGE 1 OF 1
ACCT# ACCOUNT NAME ACTIVE QTY LBE NET LBE GROSS LONG POS SHORT POS MTM NET
TOTAL: 45,000,000 -1,562,500 23,437,500 10,937,500 12,500,000
9991 BOB ☑ 15,000,000 -1,562,500 7,812,500 3,125,000 4,687,500
1031 MIKE ☑ 30,000,000 0 15,625,000 7,812,500 7,812,500
ROW COUNT 2
PRINT
EXPORT
CLOSE
2100
2102
2104

FIG. 21